

INDEX TO VOLUME XXIII

New names and the final members of new combinations are in **bold face** type. Mistakes in the spelling of scientific names encountered in text are corrected in the index.

Abutilon sylvaticum, 480
Acacia, 335-337; *angustissima*, 337; *Farnesiana*, 335; *pedicellata*, 338; *riparia*, 335
Acaulium, 314-317, 323, 325, 326, 329; *albo-nigrescens*, 316, 317, 324, 326, 329
Acer, 118, 120, 131, 303
Achlya, 58, 309
Achorion gypseum, 87, 88, 90, 92-94
Achyranthes bidentata, 378; *bidentata japonica*, 378; *crispa*, 378
Actinomyces scabies, 304
Actinostemon, 467; *concolor*, 470
Adesmia elegans, 351; *laxa*, 351; *punctata*, 348
Aecidium Hydrocotyles, 486
Aecidium, 101, 235, 360, 463, 473, 475, 477, 486, 496; *Azorellae*, 487; *brasiliense*, 500; *ceraceum*, 492; *circumscriptionum*, 475; *Cissi*, 475; *Cordiae*, 500; *desmium*, 478; *Desmodii*, 344; *distinguendum*, 497; *Gayophyti*, 485; *Glaziovii*, 483; *guttatum*, 475; *Hieronymi*, 335; *hydrocotylinum*, 480; *Hyperici-frondosi*, 481; *hypsophilum*, 463, 470; *Ipomoeae*, 498; *lathyrinum*, 354; *Lindavianum*, 500; *Malvastrum*, 478; *Maublancii*, 359; *mexicanum*, 359; *Nectandreae*, 102; *ochraceum*, 492; *Oenotherae*, 485; *Opuntiae*, 482; *Pereskiae*, 472, 473; *Philippii*, 489; *punctatum*, 104; *Rickii*, 364; *Sphaeralceae*, 478; *Tournefortiae*, 500; *Trifolii-megalanthi*, 356; *Triumfetae*, 477; *vinnulum*, 360; *Violae*, 482; *xanthoxylonum*, 364
Agaricus, 240
Ageratum conyzoides, 402
Agoseris, 80; *aurantiaca*, 80; *humilis*, 80; *parviflora*, 80; *scorzoneraefolia*, 80
Agrimonia hirsuta, 104; *striata*, 79
Albugo, 201, 255; *candida*, 304
Alchornea Iricurana, 466; *pycnogyne*, 466
Allium brevistylum, 82; *Cepa*, 303
Allodus interveniens, 478; *opulenta*, 498
Allopuccinia, 347; *diluta*, 347, 348, 349
Alnus, 118, 120; *glutinosa*, 147; *incana*, 301
Alternaria, 160, 178-185; *Brassicae*, 179, 180, 302; *Solani*, 180, 183-185, 304; *Solani Symphoricarpi*, 178, 184, 185; *tenuis*, 178, 183, 184
Althaea, 479, 480; *rosea*, 81
Alveolaria Cordiae, 501
Amanita, 225; *caesarea*, 225; *calyptrata*, 225, 226; *c. o. ptratooides*, 225; *calyptroderma*, 225, 226
Amanita calyptroderma and *Amanita calyptroderma*, S. M. Zeller, 225
Amaranthus, 390
Ambrosia trifida, 393
Amicia, 348; *Lobbiana*, 348; *parvula*, 357
Amorpha canescens, 81
Amorphophallus, 219
Amygdalus Persica, 303
Ananas sativus, 272, 273, 275, 277, 279-281, 283, 284, 286, 290
Andropogon leucostachyus, 297
Angelica Grayi, 80
Anthracnose, alternariose and Botrytis rot of the snowberry, W. H. Davis, 159
Anticlea coloradensis, 79
Antirrhinum majus, 304
Aphragmum, 201, 253, 254
Aplanes, 309
Aplanobacter insidiosum, 301
Arachis hypogaea, 303, 369
Araiopora, 201
Araujo sericifera, 493
Arctium Lappa, 393
Arracacia xanthorrhiza, 490
Artemisia cana, 79; *cuneata*, 79
Arthuria, 463; *catenulata*, 464
Ascigerous stage of Colletotrichum lagenarium induced by ultra-violet irradiation, F. L. Stevens, 134
Asclepias, 494; *curassavica*, 493, 494
Ascolobus, 248; *magnificus*, 33, 35, 47; *Winteri*, 34
Ascocarpic stage of species of Scopulariopsis, C. W. Emmons and B. O. Dodge, 313
Ascochyta, 302; *Gossypii*, 302

INDEX TO VOLUME XXIII

New names and the final members of new combinations are in **bold face** type. Mistakes in the spelling of scientific names encountered in text are corrected in the index.

- Abutilon *sylvaticum*, 480
- Acacia, 335-337; *angustissima*, 337; *Farnesiana*, 335; *pedicellata*, 338; *riparia*, 335
- Acacium, 314-317, 323, 325, 326, 329; *albo-nigrescens*, 316, 317, 324, 326, 329
- Acer, 118, 120, 131, 303
- Achlya, 58, 309
- Achorion *gypseum*, 87, 88, 90, 92-94
- Achyranthes *bidentata*, 378; *bidentata japonica*, 378; *crispa*, 378
- Actinomyces *scabies*, 304
- Actinostemon, 467; *concolor*, 470
- Adesmia *elegans*, 351; *laxa*, 351; *punctata*, 348
- Aecidium *Hydrocotyles*, 486
- Aecidium, 101, 235, 360, 463, 473, 475, 477, 486, 496; *Azorellae*, 487; *brasiliense*, 500; *ceraceum*, 492; *circumscriptionum*, 475; *Cissi*, 475; *Cordiae*, 500; *desmium*, 478; *Desmodii*, 344; *distinguendum*, 497; *Gayophyti*, 485; *Glaziovii*, 483; *guttatum*, 475; *Hieronymi*, 335; *hydrocotylinum*, 480; *Hyperici-frondosi*, 481; *hypsophilum*, 463, 470; *Ipomoeae*, 498; *lathyrinum*, 354; *Lindavianum*, 500; *Malvastrum*, 478; *Maublancii*, 359; *mexicanum*, 359; **Nectandrae**, 102; *ochraceum*, 492; *Oenotherae*, 485; *Opuntiae*, 482; **Pereskiae**, 472, 473; *Philippii*, 489; *punctatum*, 104; *Rickii*, 364; *Sphaeralceae*, 478; *Tournefortiae*, 500; *Trifolii-megalanthi*, 356; *Triumfetae*, 477; *vinnulum*, 360; *Violae*, 482; *xanthoxylonum*, 364
- Agaricus, 240
- Ageratum *conyzoides*, 402
- Agoseris, 80; *aurantiaca*, 80; *humilis*, 80; *parviflora*, 80; *scorzoneraefolia*, 80
- Agrimonia *hirsuta*, 104; *striata*, 79
- Albugo, 201, 255; *candida*, 304
- Alchornea *Iricurana*, 466; *pycnogyne*, 466
- Allium *brevistylum*, 82; *Cepa*, 303
- Allodus *interveniens*, 478; *opulenta*, 498
- Allopuccinia, 347; *diluta*, 347, 348, 349
- Alnus, 118, 120; *glutinosa*, 147; *incana*, 301
- Alternaria, 160, 178-185; *Brassicae*, 179, 180, 302; *Solani*, 180, 183-185, 304; *Solani **Symporicarp***, 178, 184, 185; *tenuis*, 178, 183, 184
- Althaea, 479, 480; *rosea*, 81
- Alveolaria *Cordiae*, 501
- Amanita, 225; *caesarea*, 225; *calyptrata*, 225, 226; *c. **opratoides***, 225; *calyptroderma*, 225, 226
- Amanita *calyptroderma* and *Amanita calyptroderma*, S. M. Zeller, 225
- Amaranthus, 390
- Ambrosia *trifida*, 393
- Amicia, 348; *Lobbiana*, 348; *parvula*, 357
- Amorpha *canescens*, 81
- Amorphophallus, 219
- Amygdalus *Persica*, 303
- Ananas *sativus*, 272, 273, 275, 277, 279-281, 283, 284, 286, 290
- Andropogon *leucostachyus*, 297
- Angelica *Grayi*, 80
- Anthracnose, *alternariose* and *Botrytis rot of the snowberry*, W. H. Davis, 159
- Anticlea *coloradensis*, 79
- Antirrhinum *majus*, 304
- Aphragmum, 201, 253, 254
- Aplanes, 309
- Aplanobacter *insidiosum*, 301
- Arachis *hypogaea*, 303, 369
- Araiopora, 201
- Araujoa *sericifera*, 493
- Arctium *Lappa*, 393
- Arracacia *xanthorrhiza*, 490
- Artemisia *cana*, 79; *cuneata*, 79
- Arthuria**, 463; *catenulata*, 464
- Ascigerous stage of *Colletotrichum lagenarium* induced by ultra-violet irradiation, F. L. Stevens, 134
- Asclepias, 494; *curassavica*, 493, 494
- Ascolobus, 248; *magnificus*, 33, 35, 47; *Winteri*, 34
- Ascocarpic stage of species of *Scopulariopsis*, C. W. Emmons and B. O. Dodge, 313
- Ascochyta, 302; *Gossypii*, 302

Ascoidea, 51-55, 58, 61, 67-69, 75; *rubescens*, 51, 59, 65, 68, 69, 75; *saprolegnioides*, 52, 68
 Ascophora disciflora, 104
 Ascotricha, 323
 Asimina, 120
Aspergillus, 75, 89, 313, 323, 326, 329; *herbariorum*, 326
 Aster, 79
 Astronium, 472
Avena sativa, 265, 303
Bacillus amylovorus, 301, 303; *carotovorus*, 303, 304; *phytophthorus*, 304; *prodigiosus*, 140; *tracheiphilus*, 302
Bacterium campestre, 304; *Citri*, 302; *Erodii*, 303; *Phaseoli*, 302; *Pruni*, 303; *Sojae*, 304; *solanacearum*, 303; *tumefaciens*, 303, 304
 Bailey, F. D., and Zeller, S. M., The occurrence of *Schizophyllum commune* on green apples, 154
Banisteria campestris, 362
 Bartholomew, E. T., Herbarium arrangement of mycological specimens, 227
Basidiophora, 255
Bauhinia, 343, 344; *forficata*, 344; *forficata latifolia*, 344; *rufa*, 344
Berberis, 98, 99, 101; *Darwinii*, 96; *divaricata*, 100; *glaucescens*, 99; *phyllacantha*, 99
Beta vulgaris, 286
Betula, 120
Bignonia capreolata, 302
Bilbergia, 281
Bistorta vivipara, 81
Bixa orellana, 376
 Blain, W. L., A list of diseases of economic plants in Alabama, 300
Blumenbachia, 482; *lateritia*, 482
Boisduvalia concinna, 485
Bommerella, 322; *trigonospora*, 322, 323
Borreria, 385; *micrantha*, 385
Botrytis, 160, 186, 187, 313; *Allii*, 303; *furcata*, 188; *Paeoniae*, 303; *vulgaris*, 186-188
Bouteloua simplex, 482
Bradburya pubescens, 352, 373, 376; *virginiana*, 352
Bradyospora, 260, 261, 262, 270, 292
Brassica, 392; *campestris*, 392; *junccea*, 392; *Napus*, 392; *nigra*, 392; *oleracea*, 302; *oleracea acephala*, 302; *oleracea capitata*, 179, 392; *Rapa*, 304, 392
Bromus, 102; *ciliatus*, 79
Bubakia, 464, 469; *argentinensis*, 465, 468; *Crotonis*, 465; *mexicana*, 470; *Ulei*, 466
Bullaria Gouaniae, 474; *inflata*, 361; *invaginata*, 474
Byrsonima crassifolia, 361; *intermedia*, 360, 361
Caeoma Agrimoniae, 104; *Berberidis*, 96; *Eugeniarum*, 483; *Hydrocotyles*, 486
Cajanus indicus, 273, 276, 277
Caladium, 397
Calliandra, 334; *falcata*, 337; *laxa*, 334
Callistephus chinensis, 301
Calopogonium, 379; *orthocarpum*, 401
Caltha rotundifolia, 81
Calyptospora columellaris, 78
Camellia japonica, 303
Cannabis sativa, 265, 272
Capsicum annum, 303
Cardamine cordifolia, 79
Cardiospermum Halicacabum, 473
Carex, 78; *nebrascensis*, 81; *Pseudocyperus*, 297; *siccata*, 80
Carica Papaya, 266, 270-273, 276, 283, 284, 286, 290-293
Carpinus, 120; *caroliniana*, 302
Cassia, 332, 341, 342, 343; *bicapsularis*, 343; *corymbosa*, 369; *excelsa*, 343; *occidentalis*, 369; *versicolor*, 339
Castanea, 118
Castilleja sulphurea, 78
Cayaponia, 386
 Cejp, K., Notes on Iowa species of the genus *Irpea*, 130
Cephalanthus, 120
Ceratostomella fimbriata, 304
Cercospora, 365, 366, 377, 381, 382, 402; *Achyranthis*, 378; *Agerati*, 402; *alabamensis*, 398; *althaeina*, 389; *althaeina Modiolae*, 388; *Amaryllis*, 380; *Arachidis*, 369; *Arctiambrosiae*, 393; *Arctii*, 393; *Atkinsonii*, 388; *atricincta*, 389; *biformis*, 380; *Bixa*, 375; *Bloxami*, 392; *Bolleana*, 303; *boringuensis*, 400; *Borreriae*, 385; *brachypoda*, 395; *Bradburyae*, 373, 376; *Caladii*, 397; *Callae*, 397; *Calopogonii*, 377, 379; *canescens*, 389, 390; *capreolata*, 302; *Cassavae*, 371, 381; *Cayapo*, *niae*, 365, 386, 401; *Cearae*, 371-382; *citrullina*, 395; *cornicola*, 302, *Costi*, 374; *cruenta*, 302, 304, 384, 385, 390; *cucurbiticola*, 386; *cylindrospora*, 374, 376; *depazeoides*, 370, 371; *Dolichi*, 385; *Erechitis*, 391; *flagellaris*, 400; *fuliginosa*, 303; *fusca*, 303; *Gilbertii*, 404; *gonatoclada*, 403; *guianensis*, 374, 375; *Henningii*, 371, 382, 404; *Hibisci*, 378, 394; *Hibisci-manihotis*, 395;

hibiscina, 379, 382, 395; Hurae, 372; Hymenocallidis, 380; Ipomoeae, 399; *Leonuri*, 395, 396; *Liguistri*, 304; *Lilacis*, 303; *malayensis*, 388, 394; *Manihotis*, 371, 382; *Medicaginis*, 302; *mikaniacola*, 397; *Modiolae*, 389; *Nicotianae*, 368, 386; *pachyspora*, 397; *Pancratii*, 379, 380; *penicillata*, 370; *Perseae*, 372; *personata*, 303, 368, 369; *Pipuri*, 383; *Plantaginis*, 391; *Porphylli*, 365, 393; *purpurea*, 372; *Raciborskii*, 368; *rigospora*, 383; *Sambuci*, 370, 371; *sambucina*, 370; *Tectoniae*, 399; *ticinensis*, 370; *trinidadensis*, 376, 377; *verruculosa*, 396, 397

Cercospora studies—II. Some tropical Cercosporae, W. G. Solheim and F. L. Stevens, 365

Cerotelium desmium, 478; malvicolum, 478

Chaetomium, 314, 322, 323, 329; charatum, 323; pusillum, 323; quadrangulatum, 323; trigonosporum, 323

Chionothrix, 476

Chloroscypha, 248; *chloromela*, 248, 250; *Jacksoni*, 248, 249; *juniperina*, 248, 250; *Seaveri*, 248–250

Chlorosplenium, 247; *chloromelum*, 249, 250

Chrysanthemum, 302

Chrysocelis Lupini, 345

Chrysocyclis, 104

Chrysomyxa, 463

Ciferri, R., Contributions to the classification of Torulopsidaceae—I. An American variety of the *Torulopsis minuta*, 140

Cinnamomum Camphora, 302

Cintractia, 299; *dubiosa*, 299

Cirsium, 79; *megacephalum*, 79

Cissus sicyoides, 475

Citrullus vulgaris, 304, 395

Citrus, 302

Cladosporium, 402; *carpophilum*, 303; *Citri*, 302; *effusum*, 303; *Paeoniae*, 303; *personatum*, 369; *Vignae*, 302

Clematis, 302

Cleome gigantea, 103

Clitoria, 355; *brachystegia*, 355; *cananifolia*, 355

Clusia multiflora, 481

Cocos nucifera, 266

Coenomyces, 308

Coleosporium delicatulum, 303, 304; *guaranticum*, 495; *inconspicuum*, 304; *Ipomoeae*, 303, 304, 495; *pallidulum*, 477; *ribicola*, 78

Colletotrichum Carica, 303; *gloeosporioides*, 302; *graminicola*, 304; *griseum*, 303; *Higginsianum*, 304; *lagenarium*, 134, 135, 137–139, 302; *Lindemuthianum*, 302; *oligochaetum*, 139; *Pisi*, 304; *Trifolii*, 302

Colus, 83, 84; *javanicus*, 83, 84; *Schellenbergiae*, 83, 84

Commelina nudiflora, 273

Comparative study of *Sclerotium Rolfssii* and *Sclerotium Delphinii*, F. L. Stevens, 204

Concept of Mycorhiza, Arthur Pierson Kelley, 147

Condylarcarpon Rauwolfiae, 493

Conidiobolus utriculosus, 309

Coniothyrium terricola, 314

Conium maculatum, 488

Contributions to the classification of Torulopsidaceae—I. An American variety of the *Torulopsis minuta*, R. Ciferri, 140

Convolvulus, 495

Cordia, 500, 501; *curassavica*, 500; *cylindrostachya*, 501; *discolor*, 500; *obscura*, 500; *urticaefolia*, 500

Coriolus, 130

Cornus, 302

Corticium Stevensii, 301; *vagum*, 302, 304

Costus, 374

Crataegus succulenta, 78

Crepis, 80; *runcinata*, 80

Crinum americanum, 380

Cronartium cerebrum, 303; *Harknessii*, 78; *notatum*, 361

Crossospora, 360; *notata*, 360, 361

Crotalaria anagyroides, 346; *vitellina*, 346

Croton, 377, 464, 469, 470; *celtidifolius*, 464; *chaetophorus*, 465; *compressus*, 468; *gossypifolius*, 377; *hirtus*, 465

Cryptococcus glutinis, 140, 141, 145

Cucumis Citrullus, 266; *Melo*, 266, 302; *sativus*, 200, 290, 302

Cucurbita maxima, 304; *Pepo*, 266

Cummins, George B., Phragmidium species of North America: differential teliospore and aecial characters, 433

Cuphea dipetala, 483

Cyathula achyranthoides, 403

Cylindrosporium Chrysanthemi, 302; *Clematisidis*, 302

Cystingophora Hieronymi, 335

Cytospora chrysosperma, 245; *nivea*, 245

Dactylolycyes, 316; *thermophilus*, 316

Daedalea, 130

Dasiphora fruticosa, 436

Dasytaphana, 79

Daucus Carota, 267

Davis, W. H., Anthracnose, alternariose and Botrytis rot of the snowberry, 159

Dearness, John, *Volvaria speciosa*, 152

Delphinium, 204, 303

Dendroecia, 338

Dermatea juniperina, 248, 250

Derris elliptica, 342

Desmodium, 344, 352, 355; adscendens, 355; incanum, 352; uncinatum, 344, 355

Diagnoses of American Porias—III. Some additional brown species, with a key to the common brown species of the United States and Canada, L. O. Overholts, 117

Dianthus barbatus, 304

Diaporthie, 223; umbrina, 223, 304

Dibotryon morbosum, 304

Dicaeoma montanense, 101

Dichaerina binata, 333; *superba*, 333, 334

Dichondra, 496

Didymaria *boringuensis*, 400; *conjugans*, 401

Didymopsora, 476; *Triumfettae*, 476

Diorchidium, 333, 348; Berberidis, 99; brasiliense, 332; insuetum, 362; Piptadeniae, 332

Diospyros Kaki, 303

Diplocarpon, 447, 451–454, 456–459; Rosae, 304, 446

Dipodascus albidus, 52

Dispira, 307; americana, 307

Dodge, B. O., A further study of the morphology and life history of the rose black spot fungus, 446; Inheritance of the albinistic non-conidial character in interspecific hybrids in *Neurospora*, 1

Dodge, B. O., and Emmons, C. W., The ascocarpic stage of species of *Scopulariopsis*, 313

Dolichos, 384; Lablab, 390

Earlea, 433–436, 438, 444

Edythea, 97; *Berberidis*, 98, 99, 101; *quitensis*, 98, 99, 100; *tenella*, 98, 100, 101, 102

Elaeagnus, 149

Elvela, 409; caroliniana, 409; esculenta, 409; Gigas, 409

Elymus, 102

Emmons, C. W., Observations on *Achorion gypseum*, 87

Emmons, C. W., and Dodge, B. O., The ascocarpic stage of species of *Scopulariopsis*, 313

Empusa, 414; *Muscae*, 414; radicans, 411, 412; *sepulchralis*, 417

Endomyces decipiens, 59; *fibuliger*, 59

Endophylloides, 476

Endophyllum, 463, 470, 475, 477, 496; *circumscripum*, 475; *guttatum*, 475

Entomophthora, 412, 417; *americana*, 423; *gloeospora*, 417, 418; *Phytomoni*, 412; *Pseudococci*, 425; *radians*, 411, 412; *sphaeroasperma*, 411–414, 418, 419, 421, 423–428

Epidermophyton, 314; *inguinale*, 314

Epilobium *anagallidifolium*, 81; *andicolum*, 485

Eragrostis aspera, 299

Erechites, 391; *praealta*, 391

Eriosema, 355; *crinitum*, 351

Erysiphe *Polygoni*, 302

Erythrina, 345; *Crista-galli*, 345

Erythronium parviflorum, 82

Erythroxylon Coca, 360

Eucercospora, 387

Eugenia, 484

Euonymus, 303

Eupatorium repandum, 402

Euphorbia, 467, 471; *heterophylla*, 471; *hirta*, 471; *hypericifolia*, 471; *lasiocarpa*, 471; *portulacoides*, 463, 470; *thymifolia*, 471

Euphragmidium, 433, 434, 436, 438, 440, 442–444

Evolvulus sericeus, 497

Exoascus mirabilis, 304; *Pruni*, 304

Exobasidium *Vaccinii*, 302

Exosporium concentricum, 303; *de-paezoides*, 370

Farysia olivacea, 297; *Pseudocyperi*, 297

Ficus Carica, 303

Fomes 117, 124, 127; *conchatus*, 126, 127; *densus*, 126, 127; *fulvus*, 126, 127; *igniarium laevigatum*, 119, 126; *igniarium resupinatus*, 120; *migro-limitatus*, 126; *Pini*, 126, 127; *pute-arius*, 126, 127; *robustus*, 122; *salicinus*, 120

Fomitiporia laminata, 119; *obliquiformis*, 119; *prunicola*, 118; *tsugina*, 121; *Weiri*, 122

Fragaria, 304

Fraxinus, 120

Further study of the morphology and life history of the rose black spot fungus, B. O. Dodge, 446

Fusarium, 53, 291, 302; *Batatas*, 304; *conglutinans*, 302; *conglutinans Callistephi*, 301; *hyperoxysporum*, 304; *lagenarium*, 138; *Lycopersici*, 304; *Martii Phaseoli*, 302; *niveum*, 304; *oxysporum*, 304; *va-sinfectum*, 302, 303

Fuscoporia, 127

Fusisporium Rubi, 302

Geotrichum candidum, 314
Geranium, 358, 359; *Berterianum*, 357; *chilloense*, 359; *Core-Core*, 358; *Ochsenii*, 358; *Sodiroanum*, 359
Gloeodes pomigena, 301
Gloeosporium, 134, 159-161, 167-169, 171, 175, 180; *Camphorae*, 302; *fructigenum*, 171, 175, 177; *lagerarium*, 138; *reticulatum*, 138; *Rosae*, 223, 304; *rufomaculans*, 165, 168, 171, 175, 177
Gloeosporium Rosae, a nomen nudum, Anna E. Jenkins, 223
Glomerella, 161, 182, 223; *cincta*, 223; *cingulata*, 136, 138, 301, 303; *Gossypii*, 302; *lagenaria*, 138; *rufomaculans*, 168, 175-177, 182, 185
Glycyrrhiza lepidota, 82
Gnomania Caryae, 303; *ulmea*, 302
Godetia, 485; *Cavatillesii*, 485
Gossypium, 478; *hirsutum*, 302
Gouania, 475; *Blanchetiana*, 475; *corylifolia*, 474; *polygama*, 474; *pyrifolia*, 475
Graphiola Phenicis, 303
Grindelia texana, 79
Griselina ruscifolia, 490
Guignardia Bidwellii, 303
Gymnoconia, 97; *interstitialis*, 302
Gymnolomia multiflora, 79
Gymnosporangium bermudianum, 302; *Bethelii*, 78; *globosum*, 301; *Juniperi-virginianae*, 301
gyromitra esculenta, 409
Hainesia, 458
Hamaspora, 338, 340, 341
Haplopyxis Crotalariae, 346
Haploravenelia Ingae, 336
Helianthus fascicularis, 79; *lenticularis*, 79
Helminthosporium, 390; *Sacchari*, 304
Helotium Seaveri, 247-249
Hemibrydyspora, 260, 262, 268, 270, 292
Herbarium arrangement of mycological specimens, E. T. Bartholomew, 227
Heterofteris, 361, 364
Heterosporium gracile, 303
Hexagonia, 126
Hibiscus esculentus, 303, 379, 394; *syriacus*, 303; *tiliaeus*, 379, 382
Hicoria, 303; *Pecan*, 303
Hieracium scabriuscum, 80
Holcus Sorghum, 304
Holwayella, 104
Hordeum jubatum, 81
Horkelia, 435
Hura crepitans, 373
Hydrocotyle, 486, 487; *aconitifolia*, 486; *bonariensis*, 486; *Bonplandii*, 487; *Poepigii*, 486; *umbellata*, 487; *Volkmanni*, 487
Hymenocallis, 380; *crassifolia*, 380; *littoralis*, 380
Hypera punctata, 412
Hypericum, 481; *brasiliense*, 481; *chilense*, 481
Iaccorea, 490
Ilex, 125, 303
Indigofera arrecta, 290; *suffruticosa*, 350
Inga, 333, 336; *edulis*, 336; *insignis*, 336
Inheritance of the albinistic non-conidial character in interspecific hybrids in *Neurospora*, B. O. Dodge, 1
Ipomoea, 495, 496, 498, 499; *acuminata*, 495; *Batatas*, 267, 273, 275-277, 279, 281, 283, 304; *biloba*, 399; *festulosa*, 497; *Pes-tigridis*, 399; *polymorpha*, 496; *purpurea*, 399, 495
Iresine calea, 404; *paniculata*, 404
Iris, 303
Irpea, 130; *deformis*, 130; *fimbriaeformis*, 132; *griseofuscus*, 131; *hirsutus*, 131, 132; *lacteus*, 130, 131; *obliquus*, 130, 132; *paradoxus*, 130
Iva axillaris, 80
Ivesia, 435, 436; *Gordonii*, 435
Jackson, H. S., The rusts of South America based on the Holway Collections—III, 96; IV, 332; V, 463
Jacquemontia, 499; *ferruginea*, 498; *punctantha*, 499
Jenkins, Anna E., *Gloeosporium Rosae*, a nomen nudum, 223
Juncus Dudleyi, 82
Juniperus, 248; *communis*, 248, 250; *virginiana*, 302
Kalmia latifolia, 303
Kelley, Arthur Pierson, The concept of Mycorrhiza, 147
Kern, F. D., and *Thurston, H. W.*, Jr., Notes on some rust collections from Colorado, Wyoming, and South Dakota, 77
Kuehneola, 105, 106; *andicola*, 105; *Arthurii*, 106; *Gossypii*, 478; *Loeseneriana*, 105, 106; *malvicola*, 303, 478
Lachnea, 313
Lactuca pulchella, 79; *sativa*, 303
Lafoensis Pacari, 483
Lagerstroemia australiana, 302
Lahaina, 273, 275, 277, 279, 281, 283

Lantana, 375
Lathraea, 147
Lathyrus, 82; *magellanicus*, 354; *odoratus*, 304
Lavauxia, 485; *mutica*, 485
Lenzites, 130
Leonurus Cardiaca, 396
Leptomitus, 308
Leptosphaeria Coniothyrium, 302, 304
Leptothyrium carpophilum, 303
Leucaena microphylla, 337
Ligisticum Porteri, 80; *simulans*, 80
Ligustrum, 304
Lisanthus elegans pedunculatus, 491
 List of diseases of economic plants in Alabama, W. L. Blain, 300
Lonchocarpus, 350
Luehea, 477
Lupinus, 345, 352; *argenteus*, 82; *paniculatus*, 345, 352; *soratensis*, 352
Lycopersicon, 184; *esculentum*, 180, 304, 390
Maclura, 120
Macrosporium cucumerinum, 302; *herculeum*, 304; *Nerii*, 303; *Tomat*, 304
Magnolia, 303
Mahonia, 359
Mainsia, 106; *chinensis*, 107; *clara*, 108, 112, 113; *cundinamarcensis*, 108, 114; *epiphylla*, 108, 112; *Holwayii*, 107, 109, 116; *Lagerheimii*, 108, 110; *Mayorii*, 108, 112, 115; *peruviana*, 107, 108; *Pittieriana*, 107, 110; *quitensis*, 107, 108, 113, 115, 116; *Rubi*, 108, 110, 112; *Rubi-urtici*, 107; *Rubi-urticifolia*, 108; *tenella*, 108, 111; *urediniformis*, 107; *urticifolia*, 115; *variabilis*, 108, 111
Malus sylvestris, 301
Malva, 480; *parviflora*, 480; *pusilla*, 81
Malvastrum, 479, 480; *capitatum*, 478; *coromandelianum*, 480
Malvaviscus, 478
Mandevilla Mandoni, 492
Manihot, 382, 472; *utilissima*, 371, 382, 404
Marssonia, 456; *Martini*, 303
Medicago Medicaginis, 302; *sativa*, 301, 354
Meibomia, 354; *Scorpiurus*, 351
Melampsora argentinis, 465; *Bigelowii*, 78; *Humboldtiana*, 78
Melampsoropsis Pyrolae, 78
Mentha Penardi, 81
Mentzelia, 482
Mesosetum ferrugineum, 297; *loliforme*, 298
Microascus, 314-317, 321-325, 327-329; *intermedius*, 327; *longirostris*, 322; *sordidus*, 315, 322, 328; *trigonosporus*, 317, 319, 322, 323, 326-328; *variabilis*, 315, 323
Micropuccinia Arechavelatae, 473; *heterospora*, 479; *Leveillei*, 358
Microsphaera Alni, 303
Microsporum, 88; *fulvum*, 88
Mikania, 398
Mimema, 338, 340, 341; *Holwayi*, 338, 340, 348, 349
Mimosa albida, 337; *sepiaria*, 335
Mitella, 80
Modiola multifida, 388
Monarda Ramaleyi, 81
Monilia, 47, 48, 313; *candida*, 317; *sitophila*, 48
Mortierella, 308
Morus, 303
Mucor, 33, 89; *parasiticus*, 307
Mucronoporus fulvidus, 117, 118
Mulinum spinosum, 487
Musa sapientum, 273, 276, 277
Mycorrhiza, 147
Mycosphaerella Fragariae, 304
Myrcia, 484
Myriangium, 303; *tuberculans*, 303
Nasella, 479
Nectandra oppositifolia, 103
Nematosporangium, 252-260, 262-265, 267, 268, 290, 291, 294; *aphanidermatum*, 259, 262, 264, 269, 271, 284-286; *aphanidermatum hawaiiensis*, 286, 287; *arrhenomanes*, 264, 269, 270, 272, 273, 292; *arrhenomanes hawaiiensis*, 269, 270; *Butleri*, 259, 262, 264, 269, 271, 286, 288; *dictyosporum*, 191, 199; *epiphanozoporum*, 264, 269, 271, 282, 283, 292, 293; *hyphalosticton*, 269, 270, 275, 293; *Indigoferae*, 262, 269, 271, 289, 290, 294; *leiohyphon*, 269, 271, 282, 283, 293; *leucosticton*, 269, 271, 281, 282, 293; *polyandron*, 269, 270, 276, 278, 293; *rhizopthoron*, 269, 270, 271, 279, 280, 293; *spaniogammon*, 269, 270, 273, 276; *thysanophyphalon*, 269, 270, 277
Nemopanthes, 125
Neonelsonia acuminata, 487
Nephrospora, 317, 329; *Mangini*, 317
Nerium Oleander, 303
Neurospora, 8, 18, 44, 47, 313; *crassa*, 1-4, 7, 8, 31, 43; *sitophila*, 1-3, 7-14, 22, 26, 28, 30, 31, 33, 34, 45, 46, 48; *tetrasperma*, 1, 2, 9-13, 15-17, 19, 20, 24, 27-37, 41-43, 45-47, 49, 50
Nicotiana, 368; *repanda*, 387; *Tabacum*, 368, 387

Nigredo Fabae, 353; Medicaginis, 354; Neurocarpi, 355

Notes on Iowa species of the genus *Irpea*, K. Cejp, 130

Notes on new species of *Ustilaginales*, George L. Zundel, 296

Notes on some rust collections from Colorado, Wyoming, and South Dakota, H. W. Thurston, Jr., and F. D. Kern, 77

Nyssopsora, 339

Observations on *Achorion gypseum*, C. W. Emmons, 87

Observations on *Pythium dictyosporum*, Frederick J. Sparrow, Jr., 191

Occurrence of *Schizophyllum commune* on green apples, F. D. Bailey and S. M. Zeller, 154

Odostemon aquifolium, 81

Oedogonium, 59

Oenothera, 485; *mollissima*, 485

Oligandra, 260, 262, 264, 271, 291, 292-294

Oligoomba, 260, 262, 271, 293

Olivia capituliformis, 466

Operculina glabra, 495

Opuntia sulphurea, 482

Oreobatus, 436; *deliciosus*, 78

Orobanche, 147

Osmorrhiza, 489; *Berteri*, 489

Ostrya, 120

Overholt, L. O., Diagnoses of American *Poria*—III. Some additional brown species, with a key to the common brown species of the United States and Canada, 117

Oxalis, 359; *scandens*, 359

Oxydendrum, 120

Oxypolis Fendleri, 80, 81

Oxystelma, 494

Paeonia, 303

Panicum barbinodum, 273, 275, 277, 279, 281, 283, 284; *demissum*, 298; *missionum*, 298; *rivulare*, 296

Papulaspora, 310

Parasitella, 307, 308; *simplex*, 307

Parosela pagensis, 357

Paspalum millegramum, 299

Passalora penicillata, 370

Passiflora, 381; *incarnata*, 381; *sex-flora*, 381

Paulownia tomentosa, 304

Pavonia rosea, 479; *sepium*, 478; *speciosa*, 478; *spinifex*, 478

Pelargonium, 303

Penicillium, 160, 313-315, 322, 323, 326, 329; *brevicaule*, 315

Pennisetum, 299

Pereskia, 472; *grandifolia*, 472, 473

Peridermium, 233, 240; *Ipomoeae*, 495

Peristomium, 317, 325, 326, 329; *desmosporum*, 316, 317, 325; *desmosporum Verticillium*, 325

Pernettya Pentlandii, 490

Peronoplasmodara cubensis, 302, 304

Peronospora, 201; *parasitica*, 302

Persea americana, 301; *gratissima*, 266, 372; *palustris*, 372

Pestalozzia Guepini, 303

Petunia parviflora, 390

Peziza chloromela, 247, 250

Pezizella Lythri, 458

Phakopsora, 347, 465; *argentinensis*, 465; *Crotalariae*, 346; **Psoraleae**, 346; *Vitis*, 476

Phaeolus, 351, 384, 390; *aureus*, 273, 275, 276, 277; *coccineus*, 302; *lunatus*, 384, 390; *Mungo*, 384; *Soja*, 267; *vestitus*, 351; *vulgaris*, 302, 384, 390

Philibertia, 494

Phleum pratense, 81

Phlox, 303

Phoenix, 303

Phoma, 453, 456; *carpogena*, 456; *destructiva*, 303; *Lingam*, 302

Phomopsis Citri, 302; *juniperovora*, 302; *vexans*, 302

Photographs and descriptions of cup-fungi—XIV. A new genus, Fred J. Seaver, 247; XV, The giant Elvela, 409

Phragmidium, 97, 433, 434, 437, 441, 444; *alaskanum*, 436, 442, 443; *americanum*, 438, 440-443; *Andersoni*, 436, 441, 442; *biloculare*, 435, 442, 443; *disciflorum*, 104, 438-440, 442, 443; *Horkeliae*, 435, 441, 443; *Ivesiae*, 78, 435, 442, 443; *Jonesii*, 436, 441, 443; *montivagum*, 78, 438-443; *occidentale*, 437, 442, 443; *Peckianum*, 78, 436, 437, 442, 443; *Potentillae*, 434, 435, 441, 443; *Rosae-acicularis*, 438-443; *Rosae-arkansanae*, 438-443; *Rosae-californicae*, 439, 440, 442, 443; *Rosae-pimpinellifoliae*, 438-440, 442, 443; *Rosae-setigerae*, 438; *Rubi-idaei*, 434, 435, 437, 442, 443; *Rubi-odorati*, 435, 437, 442, 443; *speciosum*, 78, 437, 438, 442, 443; *subcorticium*, 439

Phragmidium species of North America: differential teliospore and aecial characters, George B. Cummins, 433

Phycomyces Pirottianus, 308

Phyllactinia corylea, 302

Phyllanthus brasiliensis, 466, 468; *lathyroides*, 469

Phyllosticta acericola, 303; *Batatas*, 304; *camelliaca*, 303; *Caryae*, 303; *Cookei*, 303; *kalmicola*, 303; *micro-punctata*, 301; *Mucunae*, 304; *Pau-lowniae*, 304; *pyrina*, 303; *solitaria*, 301
Phyllostictina, 456; *carpogena*, 453
Physalospora *Cydoniae*, 301; *Zeae*, 245
Physoderma Zeae-maydis, 302
Physopella Fici, 303; *Vitis*, 476
Phytolacca decandra, 400; *icosandra*, 400
Phytonomus punctatus, 412
Phytophthora, 253-257, 291, 308, 310; *cactorum*, 303; *infestans*, 304
Picea, 121
Pieris, 490; *Brassicae*, 411, 412
Pilobolus, 308
Pinus, 121; *echinata*, 304; *palustris*, 303; *Taeda*, 303
Piptadenia, 333, 334; *latifolia*, 332, 333; *laxa*, 332
Pipturus albidus, 383; *Gaudichaudianus*, 383
Plantago, 392; *lanceolata*, 392; *lusi-tanica*, 392; *major*, 392
Plasmopara, 255
Plectodiscella veneta, 302
Pleoravenelia Indigoferae, 350
Plethorocomba, 260, 262, 271, 293
Poiretia psoraloides, 348
Polyandra, 260, 262, 264, 268, 269, 291, 292, 294
Polyporus, 117, 124, 240; *gilvus*, 126; *glomeratus*, 125, 126, 128
Polystigma, 44
Polythelia Thalictri, 78
Pomolobus pseudoharengus, 412
Poria, 117, 118, 123, 124, 127, 128; *betulina*, 126; *contigua*, 120; *ferrea*, 117, 126-129; *ferrugineo-fusca*, 126, 127; *ferruginosa*, 120, 126, 127; *Friesiana*, 119, 120; *fulvida*, 127; *inermis*, 118, 125; *laminata*, 119, 120, 127; *Macounii*, 127; *marginalia*, 127; *mucida*, 130; *obliqua*, 120; *obliquiformis*, 121, 127; *prunicola*, 118, 126-128; *punctata*, 119, 125, 127-129; *subiculosa*, 125, 128; *superficialis*, 128; *tsugina*, 121, 125, 128, 129; *viticola*, 128; *Weiri*, 122, 126, 128, 129
Porophyllum ruderale, 394
Potentilla, 435; *glaucophylla*, 78
Prunus, 119, 126, 127; *americana*, 304; *domestica*, 304; *Persica*, 105
Pseudocolus, 84; *Schellenbergiae*, 84
Pseudomonas campestris, 302; *Mal-vacearum*, 302
Psidium, 484; *Guava*, 484
Psoralea argophylla, 82; *glandulosa*, 347; *lasiostachya*, 347
Ptilidium, 458
Puccinia, 97, 98, 100, 104, 348, 495; *Absinthii*, 79; **Actinostemonis**, 466; *aemulans*, 79; *Amiciae*, 356; *Antirrhini*, 304; *Arauiae*, 493; *Arenchavellatae*, 473; *Arenariae*, 304; *Asterum*, 79; *Banisteriae*, 362; *Berberidis*, 96; **Berberidis-Darwinii**, 96; *Bergii*, 348; *Berkeleyana*, 496; *Boisduvaliae*, 485; *calliquensis*, 357; *Cirsii*, 79; *Clematidis*, 79; **Cleomis**, 103; *compacta*, 493; *concrescens*, 493; *Convolvuli*, 495; *coronata*, 303; *crassipes*, 495; *cruciferarum*, 79; *Cynanchi*, 494; *Daleae*, 357; *Dichondrae*, 496, 497; *discors*, 487; *distenta*, 357; *distinguenda*, 497; *enecta*, 498; *Epilobii-tetragoni*, 485; *exilis*, 479; *festata*, 467; *Gayophyti*, 485; *Gentianae*, 79; *Geranii*, 358; *Geranii-silvatici*, 358; *geraniicola*, 358; *Gonolobi*, 494; *Gouaniae*, 474; *Grindeliae*, 79; *Griseliniae*, 490; *Grossulariae*, 79; *grumosa*, 79; *Hedysari-paniculati*, 353; *Helianthi-mollis*, 79; *hemisphaerica*, 79; *heterogena*, 479; *Heteropteridis*, 361; *heterospora*, 479; *Heucherae*, 80; *hieraciata*, 80; *Hieracii*, 80; *humilis*, 485; *Hydrocotyles*, 486; *inflata*, 361, 364; *inrecta*, 361; *insueta*, 362, 364; *intermixta*, 80; *interveniens*, 478, 479; *invaginata*, 474; *Ipomoeae*, 496; *Ipomeae-panduratae*, 496; *Jambosae*, 483; *Jambulana*, 484; *Kunzeana*, 494; *Leveilleana*, 358; *Leveillei*, 358; *Ligustici*, 80; **Lisianthi**, 491; *Lithospermi*, 497; *luxurians*, 485; *Malvacearum*, 81, 480; **Mandevilliae**, 492; *Menthae*, 81; *montanensis*, 101; *mundula*, 488; *munita*, 496; *neurophila*, 484; *nocticolor*, 497; *obliqua*, 492, 494; *obscurata*, 487; *offuscata*, 350; *opulenta*, 498; *Opuntiae*, 482; *oxalidis*, 359; *Oxypetalii*, 494; *papillifera*, 332; *paraensis*, 475; *Peckii*, 81; *Philibertiae*, 494; *Philip-pii*, 489; *picturata*, 363; *Piptade-niae*, 333, 348; *platyspora*, 480; *poculiformis*, 81; *Polygoni-vivipari*, 81; *Pruni-spinosae*, 105; *Psidii*, 483, 485; *purpurea*, 304; *repentina*, 489; *scaber*, 81; *scandica*, 81; *Schnyderi*, 493; *Senecionis*, 97; *Sherardiana*, 81, 480; *Sorghii*, 451; *Sphaerostig-matis*, 485; *subneurophila*, 484; *Tabernaemontanae*, 492; **Tournefortiae**, 501; *tournefortiocola*, 501; *Treleasiana*, 81; *Trifolii*, 355

cina, 304; *tuyatensis*, 497, 498; *urticata*, 81; *Violae*, 81, 482; *Xanthii*, 81; *Zorniae*, 350
Pucciniamastrum Agrimoniae, 79, 104; *Myrtilli*, 490
Pucciniosira, 476, 477; *pallidula*, 476, 477; *Triumfettae*, 477
Pyrethrum, 204
Pyrola minor, 78
Pyronema, 8, 33, 44
Pyrus communis, 303
Pythiogoton, 309
Pythiopsis, 309, 310
Pythium, 191, 196, 197, 199, 201, 253–258, 260, 290, 291, 308, 310; *aphanidermatum*, 254, 284; *arrhenomanes*, 201, 272; *Butleri*, 286; *complens*, 254; *dictyosporum*, 191, 194, 196, 197, 199, 200–202; *gracile*, 254; *Indigoferae*, 290; *monosporum*, 254; *reptans*, 254
Quercus, 118, 120, 131, 132; *macrocarpa*, 131; *migra*, 303
Rafflesia, 147
Ragnhildiana, 365, 402; *Agerati*, 402, 403; *Cyathulae*, 403; *gonatoclada*, 403; *Manihotis*, 404; *Tremae*, 405
Ranunculus alismellus, 82
Rapanea, 491; *pseudocrenata*, 491; *umbellata*, 491
 Rare phalloid from The New York Botanical Garden, Fred J. Seaver, 83
Ravenelia, 339, 466; *Acaciae-Farnesianae*, 335; *appendiculata*, 466, 468; *capituliformis*, 466; *echinata*, 334; *ectypa*, 334; *faceta*, 342; *Henningsiana*, 334; *Hieronymi*, 335; *idonea*, 335; *Indigoferae*, 350; *ingae*, 335; *irregularis*, 336; *Lagerheimiana*, 337; *Leucaenae-microphyllae*, 337; *Lonchocarpae*, 350; *microcarpa*, 343; *microspora*, 343; *Mimosae*, 335; *Mimosae-albidae*, 337; *platensis*, 345; *rata*, 337
Reeosporangium aphanidermatum, 284, 310
Rhizoclonium hieroglyphicum, 193, 200
Rhizoctonia Solani, 304
Rhododendron, 302
Rhopobota, 421; *vacciniana*, 412, 425
Rhytisma ilicincola, 303
Ribes albibiflorum, 103; *americanum*, 79; *inebrians*, 78
Ricinus communis, 390
Rivina humilis, 400
Robinia, 120
Roestelia interveniens, 478
Rosa, 78, 104, 223, 304; *acicularis*, 438; *alba*, 438; *arkansana*, 438; *californica*, 439; *carolina*, 438; *eglantaria*, 438; *Engelmanni*, 438; *Fendleri*, 438, 441; *gallica*, 438; *gymnocarpa*, 439; *hemisphaerica*, 438; *nutkana*, 438, 439, 441; *septigera*, 439; *suffulta*, 78, 438; *virginiana*, 438
Rostrupia paelonga, 478
Rubus, 105, 106, 109, 110, 112–114, 223, 302, 304, 341; *bogotensis*, 110, 112, 115; *boliviensis*, 114; *brasiliensis*, 106; *erythrocladus*, 106; *floribundus*, 106, 109, 110, 115; *glaucus*, 110; *megalococcus*, 111; *nubigenus*, 111; *odoratus*, 437; *parviflorus*, 437; *peruvianus*, 114; *roseus*, 113; *stellatus*, 436; *strigosus*, 437; *trivialis*, 112; *urticaefolius*, 106, 109, 110; *urticafolius*, 115
 Rusts of South America based on the Holway Collections—III, H. S. Jackson, 96; IV, 332; V, 463
Sabouraudites, 88
Saccharomyces Freseniusi, 140; *roseus*, 140
Saccharomyces Ludwigii, 74
Saccharum officinarum, 273, 275, 277, 279, 281, 283, 284, 304
Salix, 78, 120; *amygdaloidea*, 78
Sambucus, 370; *canadensis*, 370; *mexicana*, 370; *nigra*, 370; *nigra laciniata*, 370; *racemosa*, 370
Sapium, 471
Saprolegnia, 309
 Sawyer, Wm. H., Jr., Studies on the morphology and development of an insect-destroying fungus, *Entomophthora sphaerosperma*, 411
Schizoparme straminea, 457
Schizophyllum commune, 154
Schizosaccharomyces octosporus, 33
Schroeteriaster argentinensis, 465; *Ulei*, 466, 469
Sclerospora, 255, 310
Sclerotinia, 313; *carunculoides*, 303; *fructicola*, 303, 304; *sclerotiorum*, 303
Sclerotiopsis, 458
Sclerotium, 219; *bataticola*, 304; *Delphini*, 204, 206, 208–219, 221, 222; *Rolfsii*, 204–208, 210, 212–216, 218–222, 302–304
Scopulariopsis, 314–317, 319, 323, 325, 328, 329; *candida*, 317; *cinerea*, 314, 316, 317; *trigonospora*, 317, 328
 Seaver, Fred J., A rare phalloid from The New York Botanical Garden, 83; Photographs and descriptions

of cup-fungi—XIV. A new genus, 247; XV, The giant Elvela, 409

Secale cereale, 304

Septobasidium, 301–303; *pedicellatum*, 301, 302; *retiforme*, 303

Septoria divaricata, 303; *Lycopersici*, 304; *nodorum*, 304

Sequoia, 127, 247, 248; *sempervirens*, 249, 250

Serjania, 474; *cuspidata*, 473

Sida cordifolia, 479; *paniculata*, 480; *rhombifolia*, 481; *spinosa*, 480; *tomentosa*, 480; *urens*, 480

Sideris, C. P., Taxonomic studies in the family Pythiaceae—I. *Nematosporangium*, 252

Soja Max, 304

Solanum Melongena, 302; *nigrum*, 384; *tuberosum*, 184, 267, 273, 275, 276, 277, 279, 281, 283, 284, 304

Solheim, W. G., and Stevens, F. L., Cercospora studies—II. Some tropical Cercosporae, 365

Sordaria, 323

Sparrow, Frederick K., Jr., Observations on *Pythium dictyosporum*, 191

Spermacoce ocyoides, 385

Sphaelotheca brasiliensis, 297; *Chaseae*, 297; *cruenta*, 304; *echinata*, 298; Holwayi, 297; Kellermanii, 297; *leucostachys*, 297; *Mesoseti*, 298; Vryburgii, 298

Sphaeralcea, 479, 480; *coccinea*, 81; *obtusifolia*, 479

Sphaerocarpus, 47; *Donnellii*, 2

Sphaerosporangium, 253–255, 308

Sphaerostigma, 486; *tenuiifolium*, 485

Sphaerotheca, 8, 44, 235; *pannosa*, 304

Sphenospora, 98; *Berberidis*, 99; *qui-*
tensis, 99

Spirechina, 105–107; *Arthuri*, 105, 106; *chinensis*, 107; *cundinamarcensis*, 114; *epiphylla*, 112; *Loeseneriana*, 105; *Pittieriana*, 110, 114; *Rubi*, 110, 114; *variabilis*, 111

Spirogyra, 191–193, 196, 200; *crassa*, 191, 200, 202; *insignis*, 191; *nitida*, 191, 200

Spongospora subterranea, 304

Stemphylium, 182, 183

Stevens, F. L., A comparative study of *Sclerotium Rolfsii* and *Sclerotium Delphinii*, 204; The ascigerous stage of *Colletotrichum lagenarium* induced by ultra-violet irradiation, 134

Stevens, F. L., and Solheim, W. G., Cercospora studies—II. Some tropical Cercosporae, 365

Stigmaphyllo, 361, 363; *acumina-*
tum, 362; *affine*, 362; *tomentosum*, 362; *vitifolium*, 362

Stipa, 479; *Lettermanii*, 81

Stizolobium, 304

Studies on Ascoidea rubescens—I. History and development, Leva B. Walker, 51

Studies on the morphology and development of an insect-destroying fungus, *Entomophthora sphaerosperma*, Wm. H. Sawyer, Jr., 411

Symphoricarpos albus laevigatus, 159, 178; *orbiculatus*, 164

Syringa vulgaris, 303

Tabernaemontana amygdalifolia, 492

Tachyspora, 260, 262, 263, 270, 292, 293

Taphrina coerulescens, 303; *deformans*, 303; *epiphylla*, 33; *Robinsoniana*, 301

Taraxacum, 80; *Taraxacum*, 80

Tarichium, 411; *sphaerospermum*, 412

Taxonomic studies in the family Pythiaceae—I. *Nematosporangium*, C. P. Sideris, 252

Tectona grandis, 399

Thalictrum, 79; *dasycarpum*, 78

Themeda Forskali, 298

Thermoascus aurantiacus, 316

Thielavia, 313, 314, 323, 329; *basicola*, 313; *terricola*, 313

Thraustotheca, 196

Thuja, 248, 250; *occidentalis*, 248, 249; *plicata*, 123, 249

Thurston, H. W., Jr., and Kern, F. D., Notes on some rust collections from Colorado, Wyoming, and South Dakota, 77

Tilletia Paspali, 299; *transvaalensis*, 299

Tolyphothrix, 193, 200

Torula, 141; *corallina*, 144; *glutinis*, 140; *minuta*, 145; *rufa*, 145

Torulopsis, 144, 145; *Biourgei*, 144; *corallina*, 144; *minuta*, 145, 146; *minuta parvissima*, 146; *Montii*, 144; *rufula*, 145; *saccharophoba*, 144; Saito, 144

Tournefortia, 501–503; *brachiata*, 500; *fuliginosa*, 501; *grandifolia*, 501; *psilostachya*, 502; *sericea*, 502; *suaveolens*, 502

Trametes, 117, 125; *carbonaria*, 125, 126, 128; *odorata*, 125; *Sequoiae*, 127, 128; *setosus*, 128; *tenuis*, 120, 125, 126, 128

Tranzschelia punctata, 104

Trema micrantha, 405

Triactella, 339, 341, 342; *Holwayi*, 341, 342; *pulchra*, 342

Trichobasis euphorbiaecola, 471;
Howei, 494; *Hydrocotyles*, 486
Trichophyton asterooides, 94; *gypseum*, 92
Trichopsora Tournefortiae, 503
Trifolium, 82, 355, 356; *amabile*, 355;
Parryi, 82; *pratense*, 302; *repens*,
82, 353, 356
Triphragmiopsis, 339
Triphragmium, 339, 341, 342
Triticum aestivum, 304; *vulgare*, 273,
275, 279, 281, 283, 284
Triumfetta, 477; *longicornis*, 476;
semiriloba, 477
Tsuga, 121, 122

Ulmus, 302
Uncinula, 302; *australiana*, 302
Uredo, 104, 347, 360, 465, 468, 469,
485; *Andromedae*, 490; *Anilis*, 350;
Apocynaceae, 493; *appendiculata*,
351; *asclepiadina*, 494; *Asclepiadis*,
494; *banistericola*, 362; *Betae Convolvi*, 495; *bonariensis*, 486; *capi-
tuliformis*, 466; *cassicola*, 342;
Cisneroana, 470; *Condylocarpi*, 493;
Cornu, 467; *Crotalariae*, 346; *cro-
tonicola*, 465; *Crotonis*, 465, 468,
470; *Cupheae*, 483; *cupheicola*, 482;
Cynapii, 487; *Desmodii-leiocarpi*,
353; *Dieteliana*, 498; *emendata*,
350; *Eriosemae*, 351; *Erythroxylonis*,
360; *Eugeniarum*, 483; *excipi-
lata*, 336; *Fabae*, 353; *flavidula*,
483; *floridana*, 482; *Goeldiana*, 483;
Gossypii, 478; *Gouaniae*, 474; *Hy-
drocotyles*, 486; *imperialis*, 105; *In-
gae*, 335; *Ipomoeae*, 495; *Ipomoeae-
pentaphyllae*, 495; *Lafoenseae*, 483;
Leuhae, 477; *Loeseneriana*, 105;
malvica, 478; *medicaginicola*, 354;
mulinicola, 487; *Myrciae*, 483; *Myr-
tacearum*, 483; *neurophila*, 483;
notata, 361; *ochraceo-flava*, 110;
Oxalidis, 359; *pachystegia*, 502;
Pamparum, 351; *pavida*, 468; *Phyl-
lanthi*, 466, 469; *proeminens*, 471;
rhombica, 472; *rufa*, 351; *seclusa*,
484; *solitaria*, 351; *spinulosa*, 498,
499; *subneurophila*, 483; *Tijucae*,
469; *Tournefortiae*, 502; *unilater-
alis*, 359; *vagans* *Epilobii-tetragonii*,
485; *valentula*, 469; *Vitis*, 476;
Zarumae, 481; *Zorniae*, 350
Uromyces, 103, 105, 345, 463, 473;
Actinostemonis, 470; *aenulus*, 82;
aeruginosus, 473; *andinus*, 110, 463,
470; *appendiculatus*, 302, 351, 356;
Argophyllae, 82; *Arthuri*, 106; *As-
clepiadis*, 494; *Bradburyae*, 352;
brasiliensis, 498, 499; *castaneus*,
352; *Chilensis*, 354; *Cisneroanus*,
470; *clavatus*, 354; *cundinamar-
ensis*, 114; *Desmodii-leiocarpi*, 353;
Dietelianus, 343; *dolichosporus*,
502; *elatus*, 352; *elegans*, 356; *Eu-
phorbiae*, 471; *euphorbiicola*, 471;
Fabae, 82, 353; *flectens*, 353; *foveo-
latus*, 343; *gemmatus*, 498; *gigan-
teus*, 498, 499; *Glycyrrhizae*, 82;
Hedysari-obscuri, 97; *Hedysari-
paniculati*, 345, 353; *Hemmen-
dorffii*, 343; *heterodermus*, 82;
Howei, 494; *Hyperici-frondosus*, 481;
hypophilus, 463, 470; *ingicola*, 336;
insularis, 354; *Jonesii*, 82; *Lager-
heimii*, 110; *lathyrinus*, 354; *Loe-
seneriana*, 105; *malvacearum*, 479;
malvica, 479; *Medicaginis*, 354;
Mulinii, 487; *Mulinii-magellanica*,
487; *Myrsines*, 490; *nerviphila*, 353;
Neurocarpi, 354; *oblongus*, 82, 356;
orbicularis, 355; *pachycephalus*,
481; *Pereskiae*, 473; *Perlebiae*, 343;
pervius, 473; *Pittierianus*, 110;
platysporus, 480; *porcans*, 336;
proeminens, 471; *quintensis*, 112,
115; *Rhapaneae*, 490; *ribicola*, 103;
rostratus, 354, 355; *Rubi*, 110;
Rubi-urticifolii, 115; *Scirpi*, 486;
Silphii, 82; *substriatus*, 82; *tenui-
stipes*, 355; *tolerandus*, 471; *Tour-
nefortiae*, 502; *Trifolii*, 82, 353, 355;
Trifolii-megalanthi, 356; *Trifolii-
repentis*, 353; *urediniformis*, 107;
Usterianus, 490, 491; *Usterii*, 105;
variabilis, 111; *verus*, 344; *vicinus*,
499; *Vignae*, 302, 356
Urophlyctis Alffae, 301
Uropyxis Amiciae, 356; *Amorphae*,
81; *Crotalariae*, 346; *Daleae*, 357;
quintensis, 97, 99; *sanguinea*, 81
Ustilago, 297; *Avenae*, 303; *braziliensis*,
296; *gregaria*, 296; *olivacea*
Pseudocyperi, 297; *Triticis*, 304;
Zea, 302

Vaccinium, 78; *macrocarpon*, 412
Valsa nivea, 245; *sordida*, 245
Venenarius Lanei, 226
Venturia inaequalis, 301; *pyrina*, 303
Verbena, 204
Vermicularia depazeoides, 370
Verticillium, 291, 303
Vicia Faba, 275, 353
Vigna Catjang, 384, 390; *glabra*, 390;
luteola, 356; *sinensis*, 302
Viola, 482; *adunca*, 81; *maculata pu-
bescens*, 482; *odorata*, 304
Vitis, 303, 476
Volvaria, 152, 153; *gloiocephala*, 153;
speciosa, 152, 153
Volvaria speciosa, John Dearnness, 152

Walker, Leva B., Studies on Ascoidea
rubescens—I. History and development, 51
Willia anomala, 59; *Saturnus*, 74
Wissadula hernandoioides, 480

Xanthium speciosum, 81
Xanthoxylum, 364
Xolisma, 490
Xylaria, 301

Zea Mays, 265, 273, 275, 277, 281,
283, 302
Zeller, S. M., *Amanita calyprata* and
Amanita calyptroderma, 225
Zeller, S. M., and Bailey, F. D., The
occurrence of *Schizophyllum commune* on green apples, 154
Zinnia, 389
Zornia diphylla, 350
Zundel, George L., Notes on new species of *Ustilaginales*, 296